

INTERNATIONAL SEARCH REPORT

International Application No

PC/CA 03/01475

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F17C5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F17C B60S B67D F04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CH 676 951 A (SULZER AG) 28 March 1991 (1991-03-28) abstract column 1, line 1-9,17,27-29,43-45,52-54,65 column 2, line 10,39	1-6,12, 13
Y	DE 198 59 423 C (HERMANN HEINZ BURGER GAS UND W) 20 April 2000 (2000-04-20) column 1, line 9-11,60-68 column 2, line 5,6,13,26,27,36,37 -/-	1-6,12, 13



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

28 January 2004

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CA 03/01475

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 263 826 A (BAUMANN HEINZ ET AL) 23 November 1993 (1993-11-23) column 1, line 6-9, 62-68 column 2, line 17, 28-30, 37-42, 48-51, 67, 68 column 1, line 31-33, 42-44 column 5, line 42-45 column 7, line 10-12 column 8, line 35-38 ---	1, 2, 4, 5, 12, 13
Y	US 4 966 206 A (BAUMANN HEINZ ET AL) 30 October 1990 (1990-10-30) column 1, line 17-21 column 2, line 8-10, 42-52, 58-65 ---	1
A	US 5 501 200 A (BOGARTZ STUART P) 26 March 1996 (1996-03-26) column 1, line 21-23, 43, 58-65 column 2, line 27-30, 53-55 column 3, line 1-5 ---	1-13
A	US 5 370 159 A (PRICE BILLY F) 6 December 1994 (1994-12-06) the whole document ---	1-13
A	US 4 501 253 A (SWENSON JR PAUL F ET AL) 26 February 1985 (1985-02-26) the whole document ---	1-13
A	US 4 624 390 A (GNEIDING DONALD R ET AL) 25 November 1986 (1986-11-25) the whole document ---	1-13
A	US 5 029 622 A (MUTTER HEINZ) 9 July 1991 (1991-07-09) the whole document ---	1-13
A	US 5 653 269 A (MAGIN JAMES A ET AL) 5 August 1997 (1997-08-05) the whole document -----	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

CA 03/01475

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CH 676951	A	28-03-1991	CH 676951 A5	28-03-1991
DE 19859423	C	20-04-2000	DE 19859423 C1	20-04-2000
US 5263826	A	23-11-1993	AU 647624 B2	24-03-1994
			AU 1728992 A	03-12-1992
			CA 2068164 A1	01-12-1992
			DE 59201707 D1	27-04-1995
			EP 0516580 A1	02-12-1992
			NZ 242143 A	25-03-1994
US 4966206	A	30-10-1990	AU 604344 B2	13-12-1990
			AU 1928888 A	27-01-1989
			AU 625136 B2	02-07-1992
			AU 5784190 A	02-01-1992
			CA 1294930 C	28-01-1992
			DE 3873653 D1	17-09-1992
			EP 0300222 A1	25-01-1989
			NZ 225254 A	28-11-1989
US 5501200	A	26-03-1996	NONE	
US 5370159	A	06-12-1994	US 5542459 A	06-08-1996
US 4501253	A	26-02-1985	AU 580249 B2	12-01-1989
			AU 2189583 A	21-06-1984
			CA 1207613 A1	15-07-1986
			IT 1209996 B	30-08-1989
US 4624390	A	25-11-1986	NONE	
US 5029622	A	09-07-1991	AU 616787 B2	07-11-1991
			AU 3956389 A	15-02-1990
			CA 1333899 C	10-01-1995
			DE 58905754 D1	04-11-1993
			EP 0356377 A1	28-02-1990
			NZ 229839 A	29-01-1992
US 5653269	A	05-08-1997	US 5597020 A	28-01-1997
			US 5259424 A	09-11-1993
			US 5238030 A	24-08-1993
			AU 2299492 A	25-01-1993
			CA 2112458 A1	07-01-1993
			EP 0591456 A1	13-04-1994
			JP 6510011 T	10-11-1994
			MX 9301727 A1	29-07-1994
			WO 9300264 A1	07-01-1993
			MX 9203706 A1	01-04-1993